



Greensea Systems, Inc.

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greensea.com

CAPABILITIES STATEMENT

VERMONT
10 E. Main St., POB 959, Richmond, VT 05477

MASSACHUSETTS
10 Cordage Park Cir, STE 222, Plymouth, MA 02360

ABOUT GREENSEA

Greensea Systems, Inc. (Greensea) develops technologies that improve the operation and scope of maritime robotics. Greensea specializes in subsea navigation, vehicle control, autonomy, and operator integration and is the developer of OPENSEA an open, hardware-agnostic, framework used to develop and deploy advanced technologies for robotics. OPENSEA has been fielded on more than 1500 systems around the world. Greensea focuses on three business segments: OPENSEA as a Platform (OaaP), Original Equipment Manufacturer (OEM) Support, and Direct Program Development. Through the OaaP and OEM Support segments, Greensea develops new OPENSEA capabilities and expands its core technologies of vehicle navigation, control, and autonomy to partners and provides mature stable products to manufacturers. Through the Direct Program Development segment, Greensea supports Explosive Ordnance Disposal defense forces and Special Operations Forces worldwide with products, research and development, and training.

CORE COMPETENCIES

- Open architecture technologies and software development
- Interoperability, intervention, and high-level tasking for advanced robotic systems
- Full & supervised autonomy for surface, subsea, and diver vehicles including over-the-horizon communications
- Systems integration and payload management
- SWaP-C optimized navigation and control for unmanned marine robotics
- Vehicle control for surface and subsurface systems
- Operator integration and Human Machine Interfaces for intelligent systems

DIFFERENTIATORS

- OPENSEA, open architecture software platform for robotics
- Open, modular, hardware-agnostic, and developer-agnostic technologies
- Supervised autonomy for efficient and effective cooperative employment of robotics
- Novel sensor fusion and state estimation algorithms for GPS-denied navigation, patent-pending heading algorithm
- Navigation and control technologies used as part of ANU-listed, NAVSEA 9310-certified diver propulsion device

PAST PERFORMANCE

- DARPA Phase 2 + Option SBIR: Feature-based Navigation and Localization for Miniature UUVs
- ONR STTR Phase 2: Autonomous Hull-Grooming Vehicle
- NAVSEA Phase 2 SBIR: Long-range standoff command and control of ROVs
- ONR SBIR Phase 2: Autonomous Surface Vehicle
- ONR SBIR Phase 1: Over-the-Horizon Comms
- Current provider of navigation and supervised autonomy for:
 - USN & Worldwide Explosive Ordnance Disposal
 - Worldwide Special Forces combat diving

COMPANY DATA

CAGE: 4TY07

DUNS: 795039945

NAICS Codes: 334511, 334513, 511210, 541511, 334111

United States small business



Contact Info

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